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CORRES CONTROL
JUTGONG LTR NO.

JOE ORDER # 5400 1



24 RF 0422-0

EG&G ROCKY FLATS, INC

ROCKY FLATS PLANT, P O BOX 464, GOLDEN COLORADO 80402 0464 • (303) 966-7000

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HANNI, B J.		
HARMAN, L K.		
HEALY, T J.		
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HILBIG, J G.		
HUTCHINS, N M.	✓	
KELL, R E.		
KIRBY, W A.		
KUESTER, A W.		
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MONTROSE, J K.		
MORGAN, R V.		
POTTER, G L.		
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STIGER, S G.	✓	
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WYANT, R B.		
S. H. Hollowell	✓	
J. K. Hopkins	✓	
E. C. Mast	✓	
O. E. Ried	✓	
CORRES CONTROL	X	X
PATTS/T130G	✓	
TRAFFIC		

CLASSIFICATION

LCM	
UNCLASSIFIED	✓
CONFIDENTIAL	
SECRET	

AUTHORIZED CLASSIFIER SIGNATURE
DOCUMENT CLASSIFICATION
REVIEW WAIVERED PER
CLASSIFICATION OFFICE
DATE

IN REPLY TO RFP CC NO
02143 RF 94
ACTION ITEM STATUS
☐ PARTIAL/OPEN
☒ CLOSED

LTR APPROVALS:

ORIG & TYPST INITIALS

June 22, 1994

94-RF-06770

Norma I Castaneda

Environmental Restoration Management

DOE, RFFO

STATUS OF SOLIDIFICATION/STABILIZATION TREATABILITY STUDIES - JKH-049-94

As part of the Sitewide Treatability Studies Program at Rocky Flats, one of the selected technologies to be demonstrated was Solidification/Stabilization. Work has begun to develop a Work Plan for the demonstration of Solidification/Stabilization Technologies at Operable Unit 5 (OU 5) IHSS 142 10 and 142 11, the "C Ponds". After reviewing documentation relevant to the C-1 and C-2 Ponds and the strategies for OU closure under the new EG&G reorganization, it has been determined that a Solidification/Stabilization Treatability Study is not necessary to support Feasibility work on the OU 5 Ponds. Basis for this determination is as follows:

- Review of analytical data indicates that OU 5 sediments would not need to be treated. According to the Draft Final Technical Memorandum No 15, Addendum to Final Phase I RFI/RI Work Plan, Operable Unit No 5, Section 2 6 2 1 3, it is concluded that contaminants in the pond sediments may consist of mercury, barium, and zinc. It is stated that further statistical tests will be undertaken to assess, based upon the available limited database, if these small number of Background Upper Tolerance Limit (BUTL) exceedance concentrations actually constitute potential Pond C-1 and C-2 contaminants, or if uncertainties in both the actual and background data only make it appear that these concentrations can be concluded to be site contaminants.
- In response to the Department of Energy (DOE) Memorandum ER NC 05915, arrangements have been made to demonstrate the Microwave Melter and Polymer Encapsulation Technologies on fine particulate residues from the TRU/Clean process. Additionally, the OU 4 Solar Ponds Project is pursuing five treatability studies to evaluate alternatives for stabilizing Solar Ponds sludge and waste. To further pursue a Solidification/Stabilization Treatability Study would only serve as a redundancy in effort with the above mentioned groups.

It is our recommendation that DOE and the Regulatory Agencies consider substituting the work being done by the Solar Ponds Project on stabilization and the Technology Development Group on the Microwave Melter and Polymer Encapsulation instead of pursuing a separate Solidification/Stabilization Treatability Study. This would result in a significant cost savings, and would free up valuable resources to work on other Operable Unit projects. Please direct any questions or comments to Scott Hollowell at extension 8748 or digital page 7475.

J K Hopkins
ER Treatability Studies

Orig and 1 cc - N I Castaneda

ADMIN RECORD

A-0005-000632